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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/706,912	11/14/2003	Mitsutoshi Higashi	300.1138	7653
21171	7590	10/18/2007	EXAMINER	
STAAS & HALSEY LLP			SCHILLINGER, LAURA M	
SUITE 700			ART UNIT	PAPER NUMBER
1201 NEW YORK AVENUE, N.W.				
WASHINGTON, DC 20005			2813	
MAIL DATE		DELIVERY MODE		
10/18/2007		PAPER		

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Office Action Summary	Application No.	Applicant(s)	
	10/706,912	HIGASHI, MITSUTOSHI	
	Examiner	Art Unit	
	Laura M. Schillinger	2813	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) Responsive to communication(s) filed on 13 August 2007.
- 2a) This action is **FINAL**. 2b) This action is non-final.
- 3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) Claim(s) 29-41 is/are pending in the application.
- 4a) Of the above claim(s) 35-41 is/are withdrawn from consideration.
- 5) Claim(s) _____ is/are allowed.
- 6) Claim(s) 29-34 is/are rejected.
- 7) Claim(s) _____ is/are objected to.
- 8) Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) The specification is objected to by the Examiner.
- 10) The drawing(s) filed on _____ is/are: a) accepted or b) objected to by the Examiner.
 Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
 Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) All b) Some * c) None of:
 1. Certified copies of the priority documents have been received.
 2. Certified copies of the priority documents have been received in Application No. _____.
 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) Notice of References Cited (PTO-892)
- 2) Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) Information Disclosure Statement(s) (PTO/SB/08)
 Paper No(s)/Mail Date _____
- 4) Interview Summary (PTO-413)
 Paper No(s)/Mail Date _____
- 5) Notice of Informal Patent Application
- 6) Other: _____

DETAILED ACTION

Election/Restrictions

Applicant's election with traverse of claims 29-34 in the reply filed on 8/13/07 is acknowledged. The traversal is on the ground(s) that the minor distinctions would not constitute a serious burden on the examiner. This is not found persuasive because Applicant may properly traverse a species requirement by going on the record and stating that the mutually exclusive characteristics are obvious variants and therefore if one specie is found the others would be obvious in view of the prior art. Applicant has not done so- therefore the mutually exclusive characteristics are considered patentably distinct and the search would be burdensome.

The requirement is still deemed proper and is therefore made FINAL.

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

Claims 29-324 are rejected under 35 U.S.C. 102(e) as being anticipated by Kuo et al (US 20040016995 A1).

Kuo teaches the following claimed limitations as cited below:

29. (New) An electronic device having mounted thereon a microelectromechanical system (MEMS) element comprising a micromachine component and an electronic component for operation of said micromachine component formed on a substrate of said MEMS element, in which:

a lid having wiring patterns is bonded to the substrate of said MEMS element covering an active surface of said substrate (Fig.5 (480/450)),

an operating space for said micromachine component is defined by said substrate and said lid (where element 315 is located), electrodes of said MEMS element (350) and wiring patterns of said lid (430/460/410) are electrically connected at a bonded part of said substrate and said lid (510), and

a sealing portion is provided between said MEMS element and said lid surrounding an outside of said bonded part [0101].

30. (New) The electronic device as set forth in claim 29, in which said bonded part is an ultrasonic bonded part of said substrate and said lid [0088].

31. (New) The electronic device as set forth in claim 29, in which said substrate and/or said lid further have a cavity at the side of said operating space Fig.5- outside sealing solder ball has cavity between itself and 510).

32. (New) The electronic device as set forth in claim 29, in which said sealing portion comprises a continuous ultrasonic bonded part formed in contact with an outer periphery of an operating space side of said substrate and said lid without interruption (Fig.5).

33. (New) The electronic device as set forth in claim 29, in which said substrate and/or said lid further comprise conductor-filled vias formed passing through said substrate and/or said lid in a thickness direction (Fig.5).

34. (New) The electronic device as set forth in claim 29, in which said sealing portion comprises a sealing resin [0101].

Response to Arguments

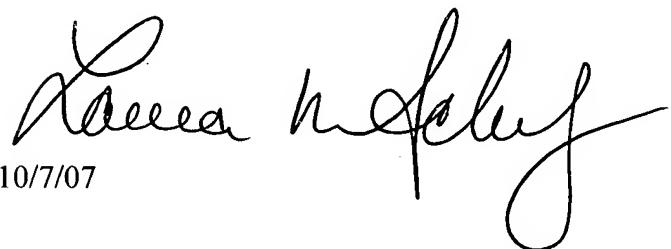
Applicant's arguments with respect to the above claims have been considered but are moot in view of the new ground(s) of rejection.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Laura M. Schillinger whose telephone number is (571) 272-1697. The examiner can normally be reached on M-T, R-F 7:00-5:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Carl W. Whitehead, Jr. can be reached on (571) 272-1702. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.



10/7/07

Laura M Schillinger
Primary Examiner
Art Unit 2813